WHAT WE CLAIM ARE:

1.   A musical data performance system comprising:

a first changing pattern generator that generates a first changing pattern by combining a plurality of note lengths; and

5   an effect giving device that gives an effect to a tone signal in accordance with the generated first changing pattern.

2.   A music data performance system according to claim 1, further comprising:

10   a plurality of sound reproduction channels;

a second changing pattern generator that generates different second changing patterns for at least two different channels of said plurality of sound reproduction channels, by combining a plurality of note lengths;

a third changing pattern generator that generates third changing

15 patterns by synthesizing the first changing pattern and the second changing patterns; and wherein

the effect giving device gives an effect to a tone signal in accordance with the generated third changing patterns.

20 3.   A music data performance system according to claim 2, wherein the changing patterns can be set by a measure as a unit and used repeatedly.

4.   A music data performance system according to claim 2, wherein the second changing patterns are for a left-channel and a right-channel of sound

25 reproduction channels.

21

5.   A music data performance system according to claim 2, wherein the changing patterns are sound reproduction patterns.

6.   A music data performance system according to claim 5, wherein said plurality of note lengths are positive note lengths and negative note lengths, and said plurality of note lengths at a same timing are added.

7.   A music data performance system according to claim 5, wherein levels of said plurality of note lengths are in a range between a maximum sound reproduction level and a negative of the maximum sound reproduction level.

8.   A musical data performance system comprising:

a first changing pattern generator that generates a first changing pattern by combining a plurality of note lengths;

a lower limit altering device that alters a lower limit value of a parameter regarding reproduction of the changing pattern, without altering an upper limit value; and

an effect giving device that gives an effect to a tone signal in accordance with the altered changing pattern.

9.   A music data performance system according to claim 8, further comprising:

a plurality of sound reproduction channels;

a lower limit altering device that alters a lower limit value of a parameter regarding reproduction of the first changing pattern, without altering an upper limit value;

22

a second changing pattern generator that generates different second

changing patterns for at least two different channels of said plurality of sound

reproduction channels, by combining a plurality of note lengths;

a third changing pattern generator that generates third changing

5   patterns by synthesizing the first changing pattern and the second changing

patterns; and wherein

the effect giving device gives an effect to a tone signal in accordance

with the generated third changing patterns.

10   10.   A music data performance system according to claim 9, wherein the

changing patterns can be set by a measure as a unit and used repeatedly.

11.   A music data performance system according to claim 9, wherein the

second changing patterns are for a left-channel and a right-channel of sound

15   reproduction channels.

12.   A music data performance system according to claim 9, wherein the

changing patterns are sound reproduction patterns.

20   13.   A music data performance system according to claim 12, wherein said

plurality of note lengths are positive note lengths and negative note lengths, and

said plurality of note lengths at a same timing are added.

14.   A music data performance system according to claim 12, wherein

25   levels of said plurality of note lengths are in a range between a maximum sound

reproduction level and a negative of the maximum sound reproduction level.

23

15.   A music data performance system according to claim 12, wherein said lower limit of said plurality of note lengths can be set in a range between 0(no sound) and 1(maximum sound).

5

16.   A music data performance system according to claim 12, wherein middle levels of said plurality of note lengths are changed in accordance with a change in said lower limit.

10   17.   A musical data performance method comprising the steps of:

(a) generating a first changing pattern by combining a plurality of note lengths; and

(b) giving an effect to a tone signal in accordance with the generated first changing pattern.

15

18.   A musical data performance method comprising the steps of:

(a) generating a first changing pattern by combining a plurality of note lengths;

(b) altering a lower limit value of a parameter regarding reproduction of

20   the changing pattern, without altering an upper limit value; and

(c) giving an effect to a tone signal in accordance with the altered changing pattern.

19.   A program that a computer executes to realize a music data

25   performance process, comprising the instructions of:

(a) generating a first changing pattern by combining a plurality of note

24

lengths; and

(b) giving an effect to a tone signal in accordance with the generated first changing pattern.

5   20.   A program that a computer executes to realize a music data performance process, comprising the instructions of:

(a) generating a first changing pattern by combining a plurality of note lengths;

(b) altering a lower limit value of a parameter regarding reproduction of

10   the changing pattern, without altering an upper limit value; and

(c) giving an effect to a tone signal in accordance with the altered changing pattern.